

ABSTRACT OF THE DISCLOSURE

A simple non-moving passive electric probe detects the height of a solution along its surface. Liquid resistance and thin water films are disregarded and setting of the liquid level is accomplished electronically without moving the probe. An output signal proportional to the height of a solution along the probe length is provided. Means are disclosed to electrically pierce through oil films, soap foams or grease layers that can coat a probe, preventing contact with the solution. The system will sense distilled water, city water, sewage, wine, milk, soda, juice, alcohol, latex paint or any other water based solutions.